263/ #S:-PATENT23-9024

VIA-017-CIP

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant

Brian Banister

App. No.

10/076,925

Filed

February 14, 2002

For

METHOD AND APPARATUS FOR APPLYING OVERLAID PERTURBATION VECTORS FOR GRADIENT FEEDBACK TRANSMIT ANTENNA ARRAY

ADAPTATION

Group Art:

2631

Examiner:

Unknown

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service with sufficient postage as first-class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

On: March, 3, 2004

Barbara S. Kelly

RECEIVED

MAR 0 9 2004

INFORMATION DISCLOSURE STATEMENT

Technology Center 2600

Commissioner for Patents P.O. Box 1450 Washington, DC 22313-1450

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §§1.97-1.98, information relating to the subject application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 C.F.R. §1.56(b).

- (X) No additional fee is due because this Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits of the above-identified application, in accordance with 37 CFR §1.97(b).
- (XX) Copies of each of the references listed on the attached modified Form PTO-1449 are enclosed herewith. All of the listed references are in the English language.

Respectfully submitted,

Date: March 3, 2004

Signature Erik M. Vieira Registration No. 53,723

JAQUEZ & ASSOCIATES 750 B Street, Suite 2640 San Diego, CA 92101 (619) 238-1814 (voice) (619) 238-2426 (fax) **FORM PTO-1449**

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. VIA-017-CIP

APPLICATION NO. 10/076,925

INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

APPLICANT

Brian Banister

0 -5 2004 SEVERAL SHEETS IF NECESSARY) FILING DATE

GROUP

February 14, 2002

____ 2631

CAT & TRAD							
				U.S. PATENT DOCUMENTS			
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
					_		
						DEC	EIVED
•							
						MAR	0 9 2004
		•			1	echnolo(y Center 2600
	-						
	·						

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)					
	Rashid-Farrokhi, et al., "Transmit Beamforming and Power Control for Cellular Wireless Systems", IEEE Journal on Selected Areas in Communications, Vol. 16, No. 8, October, 1998, pp. 1437-1450.					
	Banister, et al. "A Stochastic Gradient Algorithm for Transmit Antenna Weight Adaptation with Feedback", IEEE, 2001, pp 314-317.					
	Harrison, et al. (Motorola) "Open and Closed Loop Transmit Diversity at High Data Rates on 2 and 4 Elements", document #C30-199990817-017, submitted to 3GPP2 August 16-20, 1999, pp. 1-5.					

S:\DOCS\MLF\MLF-4840.DOC/cff/041301

EXAMINER	DATE

CONSIDERED